

Comparisons of Job Characteristics

Focus Occupation: **Dentists, General (29-1021)**

Associated Occupation: **Family and General Practitioners (29-1062)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: Dentists, General (29-1021)

Associated Occupation: Family and General Practitioners (29-1062)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Medicine and Dentistry	3.7	23.9	22.7	0	Current knowledge level may be sufficient
Psychology	6.4	21.9	15.8	<<	Extensive education and/or training may be required
Biology	3.7	20.7	17.4	<	Expanded education and/or training may be required
Therapy and Counseling	3.8	20.3	5.9	<<	Extensive education and/or training may be required
Chemistry	4.8	12.0	12.7	0	Current knowledge level may be sufficient
Sociology and Anthropology	4.1	11.8	4.1	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Dentists, General (29-1021)

Associated Occupation: Family and General Practitioners (29-1062)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Active Listening	11.0	16.9	13.6	<<	Extensive development of skills in this area may be required
Reading Comprehension	10.7	16.0	14.2	<	A higher skill level may be required
Critical Thinking	10.8	15.6	15.9	0	Current skill level may be sufficient
Social Perceptiveness	9.1	15.2	12.3	<	A higher skill level may be required
Judgment and Decision Making	9.4	15.1	14.6	0	Current skill level may be sufficient
Speaking	10.8	15.1	13.2	<	A higher skill level may be required

Science	4.5	15.0	12.3	<	A higher skill level may be required
Writing	9.2	13.9	10.4	<<	Extensive development of skills in this area may be required
Complex Problem Solving	9.1	13.5	13.0	0	Current skill level may be sufficient
Active Learning	8.7	13.0	13.6	0	Current skill level may be sufficient
Service Orientation	7.9	13.0	12.2	0	Current skill level may be sufficient
Time Management	8.9	12.0	12.2	0	Current skill level may be sufficient
Persuasion	7.4	11.5	11.2	0	Current skill level may be sufficient
Management of Personnel Resources	6.9	10.6	10.8	0	Current skill level may be sufficient
Operations Analysis	5.0	10.6	5.8	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Dentists, General (29-1021)

Associated Occupation: Family and General Practitioners (29-1062)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Problem Sensitivity	11.1	20.4	17.6	<	Some improvement in abilities may be required
Oral Expression	12.4	18.3	14.8	<<	Extensive improvement in abilities may be required
Inductive Reasoning	10.2	17.9	18.8	0	Current ability level may be sufficient
Oral Comprehension	12.5	17.7	16.5	0	Current ability level may be sufficient
Written Comprehension	11.0	16.1	12.2	<<	Extensive improvement in abilities may be required
Deductive Reasoning	10.6	15.0	16.5	>	Current ability level is likely sufficient
Written Expression	9.8	13.9	11.0	<	Some improvement in abilities may be required
Flexibility of Closure	7.8	10.4	11.9	>	Current ability level is likely sufficient
Speed of Closure	5.9	9.1	9.9	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Dentists, General (29-1021)

Associated Occupation: Family and General Practitioners (29-1062)

Work Activities	Exclusivity of Activity
Administer anesthetics	77
Administer injections	60

Administer medications or treatments	46
Calculate medical dosages	77
Collect clinical data	56
Communicate technical information	4
Conduct patient assessments	69
Counsel patients concerning diet	81
Diagnose or treat oral injuries	85
Follow confidentiality procedures	58
Follow dental or medical office procedures	68
Follow infectious materials procedures	52
Follow patient care procedures	60
Identify body response variations	57
Interpret medical laboratory test results	72
Interpret x-rays	76
Make decisions	24
Make presentations on health or medical issues	50
Observe patient condition	48
Obtain information from clients, customers, or patients	40
Order medical laboratory tests	76
Perform minor surgery	82
Prepare patient reports	66
Prescribe or recommend drugs, medical devices or other forms of treatment	76
Understand properties or composition of drugs	64
Understand technical operating, service or repair manuals	6
Use clinical problem solving techniques	69
Use counseling techniques	60
Use emergency medical treatment procedures	76
Use interpersonal communication techniques	10
Use knowledge of investigation techniques	16
Use knowledge of medical terminology	40
Use research methodology procedures in health care	63
Use sanitation practices in health care settings	48
Write technical health or medical documents	73

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 71

Focus Occupation: Dentists, General (29-1021)

Associated Occupation: Family and General Practitioners (29-1062)

Tools and Technologies	Exclusivity
Blood pressure units and related products	11
Computers	1
Content authoring and editing software	1

Emergency medical services resuscitation products	15
Finance accounting and enterprise resource planning ERP software	2
Floor grade instruments	30
Industry specific software	1
Intubation supplies	21
Medical gloves and accessories	19
Medical staff clothing and related articles	17
Network applications software	1
Oxygen therapy delivery systems and devices	13
Pulse oximeters	18
Stethoscopes and related products	14
Surgical clamps and forceps and surgical ligators and related instruments	29
Surgical equipment and accessories and related products	23

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.